

AMENDMENTS TO THE CLAIMS

- 1 (Withdrawn) A dispenser for a liquid crystal display panel comprising:
a syringe for applying a dispensing material to a substrate through a nozzle provided at one end portion thereof;
a cap unit provided at the other end portion of the syringe;
a gas supply unit for supplying a gas to the syringe through a gas pipe penetrating the cap unit;
a valve provided in the gas pipe;
a detecting unit for detecting a residual quantity of the dispensing material remaining in the syringe through a flow amount of gas supplied from the gas supply unit to the syringe; and
a controller for controlling the gas supply unit, the valve and the detecting unit.
2. (Withdrawn) The dispenser of claim 1, wherein the substrate is a thin film transistor array substrate for the liquid crystal display panel.
3. (Withdrawn) The dispenser of claim 1, wherein the substrate is a color filter substrate of the liquid crystal display panel.
4. (Withdrawn) The dispenser of claim 1, wherein the gas supply unit supplies a nitrogen gas (N₂).
5. (Withdrawn) The dispenser of claim 1, wherein the dispensing material is a sealant.
6. (Withdrawn) The dispenser of claim 1, wherein the dispensing material is liquid crystal.
7. (Withdrawn) The dispenser of claim 1, wherein the dispensing material is Ag.

8. (Currently Amended) A method for forming a ~~liquid crystal layer of a liquid crystal display panel~~ comprising:

providing a first substrate and a second substrate, the first substrate including a plurality of thin film transistors, pixel electrodes, and a common voltage line, the second substrate including a color filter layer and a common electrode;

loading a the first substrate ~~and a second substrate~~ having a plurality of panel regions on a table;

providing a dispenser having syringe;

determining a first flow amount of gas by supplying a gas to a syringe filled with a silver ~~the liquid crystal material~~, wherein the first flow amount of gas is the amount of gas necessary for the syringe to be capable of dispensing in response to an additional amount of gas;

determining a second flow amount of gas by supplying the gas to the syringe, wherein the second flow amount of gas is the mount of gas such that the syringe is filled with the minimum quantity of residual silver ~~liquid crystal material~~ that is enough to ensure a previous dispensing but not enough for a subsequent;

repeatedly dispensing the silver ~~liquid crystal material~~ using the syringe filled with the silver ~~liquid crystal material~~ onto the common voltage line ~~a plurality of panel regions of the first substrate or the second substrate~~ by supplying intermediate flow amounts of gas to the syringe and moving the table on which the first substrate ~~or the second substrate~~ is loaded;

detecting the intermediate amounts of gas corresponding to the dispensed amount of the silver ~~liquid crystal material~~ in the syringe; and

determining a residual quantity of the silver ~~liquid crystal material~~ remaining in the syringe by comparing the intermediate amounts of gas with the divided parts of the second flow amount of the gas; and

connecting ~~attaching~~ the common voltage line of the first substrate and the common electrode of the second substrate ~~through the silver~~; and

~~spreading the liquid crystal material on the panel regions between the attached first and second substrates,~~

wherein the silver ~~liquid crystal material~~ is still dispensed if the intermediate amounts of gas is in the range between less than the divided parts of the first flow amount and the second flow amount of the gas ~~and the liquid crystal material is not dispensed and the syringe is~~

~~exchanged into new syringe filled with the liquid crystal material if the intermediate amount of gas is larger than the divided parts of the second flow amount of the gas.~~

9-17. (Cancelled)